

NAME \_\_\_\_\_

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***NOVA's In the Path of a Killer Volcano* Movie Worksheet 1992 Video**

Please enjoy this movie/documentary. This video takes you behind the scenes of the 2nd largest volcanic eruption of the 20th century. Volcanologists, geologists, and seismologists from the USGS travel to the Philippines to help predict the timing of a threatening volcanic eruption. NOVA covers scientists on the brink of a sputtering, shaking, impatient volcano, trying to forecast when it will go off. This video is a volcanologist's journey through one of the biggest recorded eruptions.

Every year, about how many volcanic eruptions happen worldwide?

What were the first signs of volcanic activity at Mt. Pinatubo?

How many people would be affected by a large eruption at Mt. Pinatubo?

What are the possible causes of the initial activity at Mt. Pinatubo?

What volcanic gas do scientists look for when magma is rising beneath a volcano?

Which possible volcanic hazards could they expect if Pinatubo erupted?

What seismological event signalled scientists that this may be a "precursor to a historic event"?

Why might scientists hesitate to evacuate an area around a volcano when there is a possibility of a large eruption? Please cite one example of an incident in the USA.

What feature did scientists see that indicated there was very explosive magma just beneath the surface of the volcano?

How many people were evacuated once the warning level was raised to 4?

What did Mt. Pinatubo do during the first “throat-clearing” part of the eruption?

How much time passed from wondering whether the volcano was “waking up” to when it actually erupted on 15 June?

What volcanic hazards existed during the main eruption?

From what distance away from the volcano were people evacuated?

What damage resulted from the eruption of Mt. Pinatubo?

How did the size of the Mt. Pinatubo eruption compare to the Mt. St. Helens eruption?

What volcanic hazards exist well after the eruption ended in 1991?